Adaptec VideOh! PCI AVC-2010

User's Guide

adaptec®

Copyright

© 2003 Adaptec, Inc. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written consent of Adaptec, Inc., 691 South Milpitas Blvd., Milpitas, CA 95035.

Trademarks

Adaptec, the Adaptec logo, and VideOh! are trademarks of Adaptec, Inc., which may be registered in some jurisdictions.

Windows 98SE, Windows 2000, Windows Me, and Windows XP are trademarks of Microsoft Corporation in the US and other countries, used under license.

Sonic and MyDVD are registered trademarks of Sonic Solutions in the U.S. and other countries, used under license.

InterVideo and WinDVR are registered trademarks of InterVideo, Inc. in the U.S. and other countries, used under license.

All other trademarks are the property of their respective owners.

Changes

The material in this document is for information only and is subject to change without notice. While reasonable efforts have been made in the preparation of this document to assure its accuracy, Adaptec, Inc. assumes no liability resulting from errors or omissions in this document, or from the use of the information contained herein.

Adaptec reserves the right to make changes in the product design without reservation and without notification to its users.

Disclaimer

IF THIS PRODUCT DIRECTS YOU TO COPY MATERIALS, YOU MUST HAVE PERMISSION FROM THE COPYRIGHT OWNER OF THE MATERIALS TO AVOID VIOLATING THE LAW WHICH COULD RESULT IN DAMAGES OR OTHER REMEDIES.

Adaptec Customer Support

If you have questions about installing or using your Adaptec product, check this document first—you will find answers to most of your questions here. If you need further assistance, use the support options listed below.

Technical Support Identification (TSID) Number

- Before contacting Technical Support, you need your unique 12-digit TSID number. The TSID number identifies your product and support status.
- The TSID number is included on two white, bar-coded labels, like the example below.

IMPORTANT INFORMATION!
AFFIX SERIAL NUMBER STICKER ON THE RETURN PORTION OF THE REGISTRATION CARD.
TSID:100000000000
(1P) PRODUCT P/N: 1000000
(S) PRODUCT S/N: BB00000000000
THIS TSID NUMBER WILL BE REQUIRED WHEN CONTACTING TECHNICAL SUPPORT.
TSID:100000000000
(1P) PRODUCT P/N: 1000000
(S) PRODUCT S/N: BB00000000000

Support Options

- Search the Adaptec Support Knowledgebase (ASK) at ask.adaptec.com for articles, troubleshooting tips, and frequently asked questions for your product.
- For support via Email, submit your question to Adaptec's Technical Support Specialists at ask.adaptec.com.
- To order Adaptec products, including accessories and cables, call +1 408-957-7274. Or, you can order cables online at www.adaptec.com/buy-cables.

Europe

- Visit our Web site at www.adaptec-europe.com.
- **German and English**: Search the Adaptec Support Knowledgebase (ASK) at ask-de.adaptec.com for articles, troubleshooting tips, and frequently asked questions for your product.

  For support via e-mail, submit your question to Adaptec's Technical Support Specialists at ask-de.adaptec.com.
- **French:** Search the Adaptec Support Knowledgebase (ASK) at ask-fr.adaptec.com for articles, troubleshooting tips, and frequently asked questions for your product.

  For support via e-mail, submit your question to Adaptec's Technical Support Specialists at ask-fr.adaptec.com.
- To order Adaptec products, including accessories and cables, go to www.adaptec.com/buy-cables.

Japan

- Search the Adaptec Support Knowledgebase (ASK) at ask.adaptec.co.jp
- Visit our Web site at www.adaptec.co.jp.

Limited 2-Year Hardware Warranty

1. Adaptec, Inc. ("Adaptec") warrants to the purchaser of this product that it will be free from defects in material and workmanship for a period of two (2) years from the date of purchase. If the product should become defective within the warranty period, Adaptec, at its option, will repair or replace the product, or refund the purchaser's purchase price for the product, provided it is delivered at the purchaser's expense to an authorized Adaptec service facility or to Adaptec.
2. Repair or replacement parts or products will be furnished on an exchange basis and will either be new or reconditioned. All replaced parts or products shall become the property of Adaptec. This warranty shall not apply if the product has been damaged by accident, misuse, abuse or as a result of unauthorized service or parts.
3. Warranty service is available to the purchaser by delivering the product during the warranty period to an authorized Adaptec service facility or to Adaptec and providing proof of purchase price and date. The purchaser shall bear all shipping, packing and insurance costs and all other costs, excluding labor and parts, necessary to effectuate repair, replacement or refund under this warranty.
4. For more information on how to obtain warranty service, write or telephone Adaptec at 691 South Milpitas Boulevard, Milpitas, CA 95035, (800) 959-7274.
5. THIS LIMITED WARRANTY DOES NOT EXTEND TO ANY PRODUCT WHICH HAS BEEN DAMAGED AS A RESULT OF ACCIDENT, MISUSE, ABUSE, OR AS A RESULT OF UNAUTHORIZED SERVICE OR PARTS.
6. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES WHICH NOW OR HEREAFTER MIGHT OTHERWISE ARISE RESPECT TO THIS PRODUCT. IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT SHALL (A) HAVE NO GREATER DURATION THAN 2 YEARS FROM THE DATE OF PURCHASE, (B) TERMINATE AUTOMATICALLY AT THE EXPIRATION OF SUCH PERIOD AND (C) TO THE EXTENT PERMITTED BY LAW BE EXCLUDED. IN THE EVENT THIS PRODUCT BECOMES DEFECTIVE DURING THE WARRANTY PERIOD, THE PURCHASER'S EXCLUSIVE REMEDY SHALL BE REPAIR, REPLACEMENT OR REFUND AS PROVIDED ABOVE. INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION LOSS OF DATA, ARISING FROM BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ARE NOT THE RESPONSIBILITY OF ADAPTEC AND, TO THE EXTENT PERMITTED BY LAW, ARE HEREBY EXCLUDED BOTH FOR PROPERTY DAMAGE, AND TO THE EXTENT NOT UNCONSCIONABLE, FOR PERSONAL INJURY DAMAGE.
7. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS, AND SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION OR EXCLUSIONS MAY NOT APPLY TO YOU.
8. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Adaptec Software License Agreement

PLEASE READ CAREFULLY: THE USE OF THIS SOFTWARE IS SUBJECT TO THE SOFTWARE LICENSE TERMS OF ADAPTEC, INC. AND OTHER LICENSORS WHOSE SOFTWARE MAY BE BUNDLED WITH THIS PRODUCT.

BY YOUR USE OF THE SOFTWARE INCLUDED WITH THIS PRODUCT YOU AGREE TO THE LICENSE TERMS REQUIRED BY THE LICENSOR OF THAT SOFTWARE, AS SET FORTH DURING THE INSTALLATION PROCESS. IF YOU DO NOT AGREE TO THE LICENSE TERMS APPLICABLE TO THE SOFTWARE, YOU MAY RETURN THE ENTIRE UNUSED PRODUCT FOR A FULL REFUND.

In return for acquiring a license to use the Adaptec software, which may include software from third party licensors and patches made available by Adaptec ("Software"), and the related documentation, you agree to the following terms and conditions:

1. License. This Agreement grants you, the Licensee, a license to:
   a. Use the Software on a single computer system, which is not intended for use by more than five (5) users; and:
   b. Make one copy of the Software in machine readable form solely for back-up purposes, provided you reproduce Adaptec's copyright proprietary legends. Notwithstanding the foregoing, the Software may be used on the home, laptop or other secondary computer of the principal user of the Software, and an additional copy of the Software may be made to support such use. As used in this license, the Software is "in use" when it is either loaded into RAM or installed on a hard disk or other permanent memory device. The Software may be "in use" on only one computer at any given time. (Different license terms and fees are applicable for networked or multiple user applications.) As a specific condition of this license, you agree to use the Software in compliance with all applicable laws, including copyright laws, and that you will not copy, transmit, perform or distribute any audio or other content using the Software without obtaining all necessary licenses or permissions from the owner of the content.
2. Restrictions. You may not distribute copies of the Software to others or electronically transfer the Software from one computer to another over a network. You may not post or otherwise make available the Software, or any portion thereof, in any form, on the Internet. You may not use the Software in a computer service business, including in time sharing applications. The Software contains trade secrets and, in order to protect them, you may not decompile, reverse engineer, disassemble, or otherwise reduce the Software to a human-perceivable form. YOU MAY NOT MODIFY, ADAPT, TRANSLATE, RENT, LEASE, LOAN, RESELL FOR PROFIT, DISTRIBUTE, NETWORK OR CREATE DERIVATIVE WORKS BASED UPON THE SOFTWARE OR ANY PART THEREOF.
3. Ownership of Software. As Licensee, you own the media upon which the software is recorded or fixed, but Adaptec and its licensors retain title and ownership of the Software recorded on the original media and all subsequent copies of the Software, regardless of the form or media in which or on which the original and other copies may exist. This license is not a sale of the Software or any copy.
4. Confidentiality. You agree to maintain the Software in confidence and that you will not disclose the Software to any third party without the express written consent of Adaptec. You further agree to take all reasonable precautions to preclude access of unauthorized persons to the Software.
5. Term. This license is effective until January 1, 2045, unless terminated earlier. You may terminate the license at any time by destroying the Software (including the related documentation) together with all copies or modifications in any form. Adaptec will have the right to terminate our license immediately if you fail to comply with any term or condition of this Agreement. Upon any termination, including termination by you, you must destroy the Software (including the related documentation), together with all copies or modifications in any form.
6. Special Terms Applicable to Databases. Where a database is included with the Software, you acknowledge that it is licensed only in connection with the use of the Software to perform disc creation, and that the database and all data derived therefrom must be maintained in confidence in accordance with the provisions of Section 4. This license does not grant you any rights to distribute or disclose such database or data.

7. Limited Warranty. Adaptec and its Licensor warrant only that the media upon which the Software is furnished will be free from defects in material or workmanship under normal use and service for a period of thirty (30) days from the date of delivery to you. ADAPTEC AND ITS LICENSORS DO NOT AND CANNOT WARRANT THE PERFORMANCE OR RESULTS YOU MAY OBTAIN BY USING THE SOFTWARE OR DOCUMENTATION. THE FOREGOING STATES THE SOLE AND EXCLUSIVE REMEDIES ADAPTEC AND ITS LICENSORS WILL PROVIDE FOR BREACH OF WARRANTY. EXCEPT FOR THE FOREGOING LIMITED WARRANTY, ADAPTEC AND ITS LICENSORS MAKE NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED, AS TO NON-INFRINGEMENT OF THIRD PARTY RIGHTS, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow the exclusion of implied warranties or limitations on how long an implied warranty may last, so the above limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.
8. The entire liability of Adaptec and its licensors, and your exclusive remedy for a breach of this warranty, shall be:
    a. The replacement of any media not meeting the above limited warranty which is returned to Adaptec; or:
    b. if Adaptec or its distributor is unable to deliver replacement media which is free from defects in materials or workmanship, you may terminate this Agreement by returning the Software and your money will be refunded.
9. Limitation of Liability. IN NO EVENT WILL ADAPTEC OR ITS LICENSORS BE LIABLE TO YOU FOR ANY INCIDENTAL, CONSEQUENTIAL OR INDIRECT DAMAGES, INCLUDING ANY LOST PROFITS, LOST SAVINGS, OR LOSS OF DATA, EVEN IF ADAPTEC OR A LICENSOR HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, OR FOR ANY CLAIM BY ANY OTHER PARTY. Some states do not allow the exclusion or limitation of special, incidental, or consequential damages, so the above limitation or exclusion may not apply to you.
10. Export. You acknowledge that the laws and regulations of the United States and other countries may restrict the export and re-export of the Software. You agree that you will not export or re-export the Software or documentation in any form in violation of applicable United States and foreign law.
11. Government Restricted Rights. The Software is subject to restricted rights as follows. If the Software is acquired under the terms of a GSA contract: use, reproduction or disclosure is subject to the restrictions set forth in the applicable ADP Schedule contract. If the Software is acquired under the terms of a DoD or civilian agency contract, use, duplication or disclosure by the Government is subject to the restrictions of this Agreement in accordance with 48 C.F.R. 12.212 of the Federal Acquisition Regulations and its successors and 49 C.F.R. 227.7202-1 of the DoD FAR Supplement and its successors.
12. General. You acknowledge that you have read this Agreement, understand it, and that by using the Software you agree to be bound by its terms and conditions. You further agree that it is the complete and exclusive statement of the agreement between Adaptec and you, and supersedes any proposal or prior agreement, oral or written, and any other communication between Adaptec and you relating to the subject matter of this Agreement. No additional or any different terms will be enforceable against Adaptec unless Adaptec gives its express consent, including an express waiver of the terms of this Agreement, in writing signed by an officer of Adaptec. You assume full responsibility for the use of the Software and agree to use the Software legally and responsibly. This Agreement shall be governed by California law, except as to copyright matters, which are covered by Federal law. This Agreement is deemed entered into at Milpitas, California by both parties. Should any provision of this Agreement be declared unenforceable in any jurisdiction, then such provision shall be deemed severable from this Agreement and shall not affect the remainder hereof. All rights in the Software not specifically granted in this Agreement are reserved by Adaptec.

Should you have any questions concerning this Agreement, you may contact Adaptec by writing to:

Adaptec, Inc.
Legal Department
691 South Milpitas Boulevard
Milpitas, California 95035

Regulatory Compliance Statements

Federal Communications Commission Radio Frequency Interference Statement

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. However, if this equipment does cause interference to radio or television equipment reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.
- Use a shielded and properly grounded I/O cable and power cable to ensure compliance of this unit to the specified limits of the rules.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Adaptec, Inc. AVC-2010

FC Tested to Comply
With FCC Standards

FOR HOME OR OFFICE USE

CE

European Union Compliance Statement

This Information Technology Equipment has been tested and found to comply with EMC Directive 89/336/EEC, as amended by 92/31/EEC and 93/68/EEC, in accordance with:

- EN55013
- EN55020
- EN55022 (1998) Emissions
- EN55024 (1998) Immunity:
  - EN61000-4-2 (1998) Electrostatic discharge: ±4 kV contact, ±8 kV air
  - EN61000-4-3 (1998) Radiated immunity
  - EN61000-4-4 (1995) Electrical fast transients/burst: ±1 kV AC, ±0.5 kV I/O
  - EN61000-4-5 (1995) Surges ±1 kV differential mode, ±2 kV common mode
  - EN61000-4-6 (1996) Conducted immunity: 3 V
  - EN61000-4-11 (1994) Supply dips and variation: 30% and 100%

In addition, all equipment requiring U.L. listing has been found to comply with EMC Directive 73/23/EEC as amended by 93/68/EEC in accordance with EN60950 with amendments A1, A2, A3, A4, A11.

Australian/New Zealand Compliance Statement

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to the Australian/New Zealand standard AS/NZS 3548 set out by the Spectrum Management Agency.

Canadian Compliance Statement

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Japanese Compliance (Voluntary Control Council Initiative)

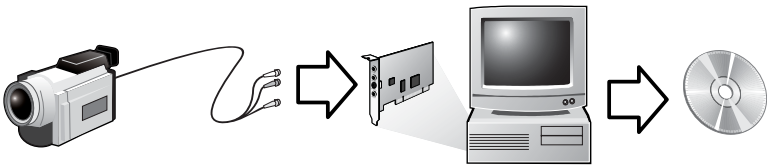
This equipment complies to class B Information Technology equipment based on VCCI (Voluntary Control Council for Interface). This equipment is designed for home use but it may causes radio frequency interference problem if used too near to a television or radio. Please handle it correctly per this documentation.

In this Guide

Introduction	2
What's in the Kit	2
System Requirements	3
This is Your AVC-2010	3
Installing Your AVC-2010	4
Installing the Drivers	6
Installing the Software	17
Connecting Your Video Device	17
Creating A Video Project with MyDVD	18
Finding More Information	23
Registering Your AVC-2010	23
Need Help with Your AVC-2010?	23
Need Help Installing Your Device Drivers?	24
Need Help Capturing Your Video?	27
Technical Specifications	28

Introduction

Congratulations on the purchase of your Adaptec VideOh!® PCI Video Converter kit. With this kit, you can convert analog video from your camcorder or VCR into digital format to create you own Hollywood-style video CDs (VCDs) or DVDs.



VideOh! PCI lets you be creative. You can add backgrounds and menus to your videos for easy navigation. With VideOh! PCI you can also perform even more sophisticated editing, like adding music, transitions, and titles.

VideOh! PCI also lets you capture you favorite video clips and organize and customize them to suit your imagination. Then you are ready to burn a VCD or DVD and share your personalized content with others.

What's in the Kit

Your Adaptec VideOh! PCI kit includes:

- AVC-2010 PCI card
- Standard 6-foot Audio/Visual cable
- VideOh! CD, including drivers, software, and *User's Guide*
- *Getting Started* guide

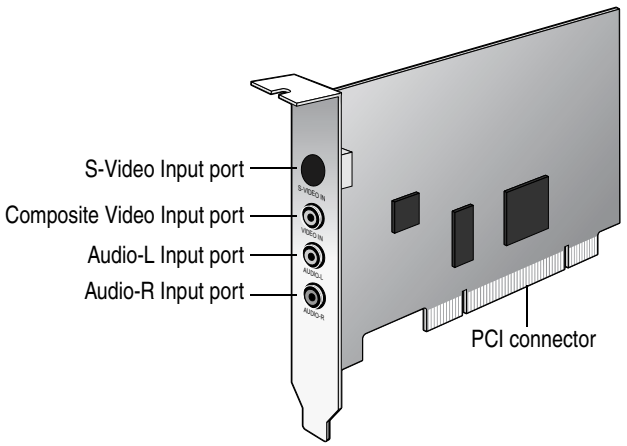
DISCLAIMER: This product or software may be designed to assist you in reproducing materials in which you own the copyright or have obtained permission to copy from the copyright owner. Unless you own the copyright or have permission to copy from the copyright owner, you may be violating copyright law and be subject to payment of damaged and other remedies. If you are uncertain about your rights you should contact your legal advisor.

System Requirements

To use your VideOh! PCI kit, you need a PC-compatible computer with:

- Intel Pentium III 600 MHz (or faster) processor
- Windows® 98SE, Windows Me®, Windows 2000®, or Windows XP®
- Available PCI port
- 256 MB RAM
- 400 MB free disk space for applications
- 200–570 MB free disk space per 10 minutes of captured video, depending on resolution and capture quality (see the Table on page 27 for more information)
- Sound card
- CD-ROM drive
- CD-Recorder or DVD-Recorder for output
- Video card and monitor that support 16-bit color at 1024 x 768 resolution (24/32-bit color or higher resolution recommended)

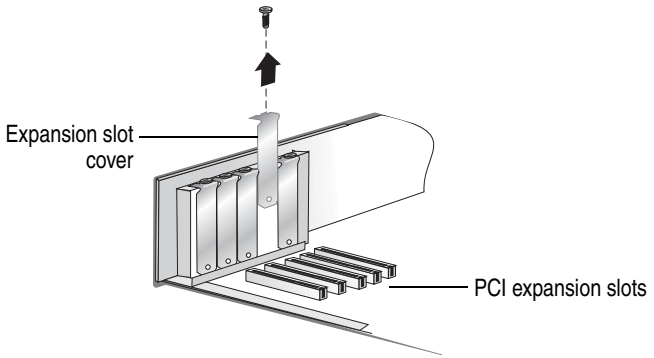
This is Your AVC-2010



Installing Your AVC-2010

To install your AVC-2010 card:

1. Discharge any static electricity build-up before handling the AVC-2010 card by touching a grounded metal object (such as the exposed metal parts on the back of your computer).
2. Turn off power to the computer and disconnect the power cord. Open the computer cabinet, following the manufacturer's instructions.
3. Locate an unused PCI expansion slot and remove the expansion slot cover. Save the slot cover screw for use in Step 6.



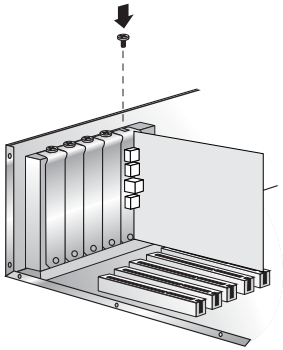
4. Remove the AVC-2010 card from its antistatic packaging.

> **Caution:** *Always* handle the card by its edges or metal bracket. Do not touch the gold PCI connector or any components on the card.

5. Insert the AVC-2010 card into the PCI expansion slot. Press down firmly until the card clicks into place. When installed properly, the card should appear level with the expansion slot.

> **Note:** Depending on the tightness of the PCI slot, gentle but firm force may be required to insert the card.

6 Secure the card bracket with the slot cover screw you removed in Step 3.



7 Close the computer cabinet and reattach the power cord.

8 Turn on your computer. Windows detects the AVC-2010 and starts the Found New Hardware Wizard. This wizard steps you though the process of installing the necessary drivers.

9 When prompted, insert the VideOh! CD into your CD-ROM drive.

Note: If the VideOh! Software Installation screen appears, exit this screen before installing the drivers.

See *Installing the Drivers* on page 6 to continue.

Installing the Drivers

Before you can begin capturing analog video, you must install the VideOh! PCI device drivers.

Follow the complete set of installation instructions provided for your operating system to ensure that the driver is properly installed:

- For Windows XP, see the next section on this page.
- For Windows 2000, see page 8.
- For Windows Me, see page 12.
- For Windows 98SE, see page 13.

Windows XP

Windows XP automatically detects your device and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

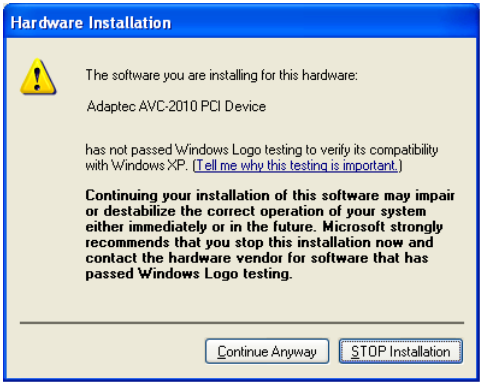
Note: Before installing the driver, make sure the VideOh! CD is in your CD-ROM drive.

To install the driver:

1 In the Found New Hardware Wizard, select **Install the software automatically...**, then click **Next**.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
Multimedia Video Controller
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

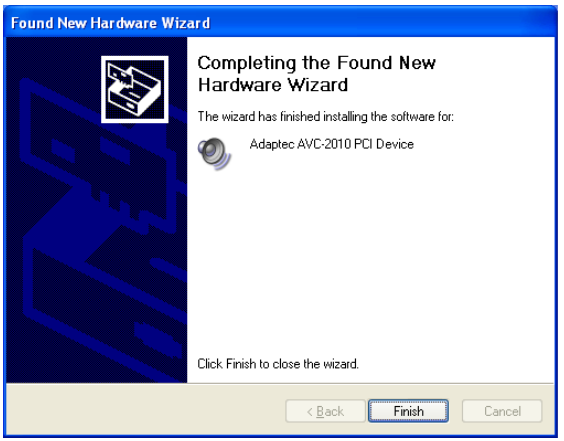
2 If this window appears, click **Continue Anyway**.


Hardware Installation
The software you are installing for this hardware:
Adaptec AVC-2010 PCI Device
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

Note: Adaptec drivers have been fully tested and certified to work with the AVC-2010 device.

Windows installs the driver.

3 Click **Finish** to complete the installation.


Found New Hardware Wizard
Completing the Found New Hardware Wizard
The wizard has finished installing the software for:
Adaptec AVC-2010 PCI Device
Click Finish to close the wizard.
< Back
Finish
Cancel

Note: To check if the driver is installed properly, follow the instructions provided in *Need Help Installing Your Device Drivers?* on page 24.

See *Installing the Software* on page 17 to continue.

Windows 2000

Windows 2000 automatically detects your device and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

Note: Before installing the driver, make sure the VideOh! CD is in your CD-ROM drive.

To install the drivers:

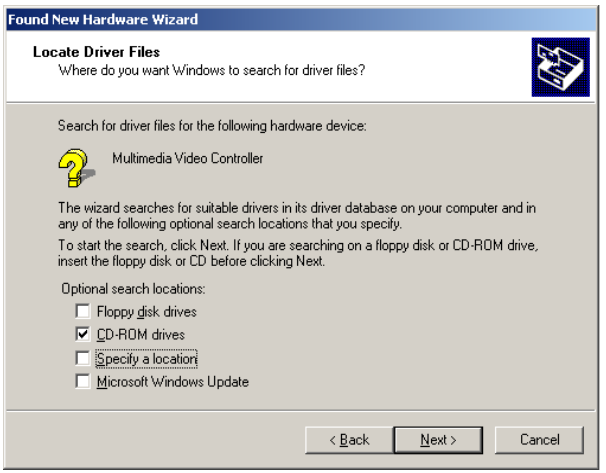
1 In the Found New Hardware Wizard, click **Next**.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install a device driver for a hardware device.
To continue, click Next.
< Back
Next >
Cancel

2 Select **Search for a suitable driver...**, then click **Next**.

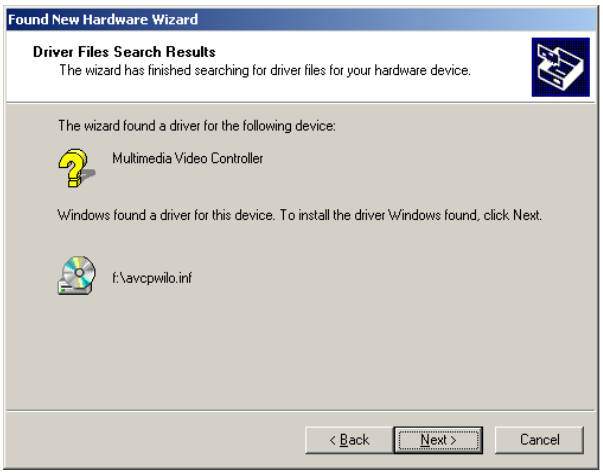
Found New Hardware Wizard
Install Hardware Device Drivers
A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
Multimedia Video Controller
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< Back
Next >
Cancel

3 Select *only* **CD-ROM drives**, then click **Next**.


Found New Hardware Wizard
Locate Driver Files
Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
Multimedia Video Controller
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back
Next >
Cancel

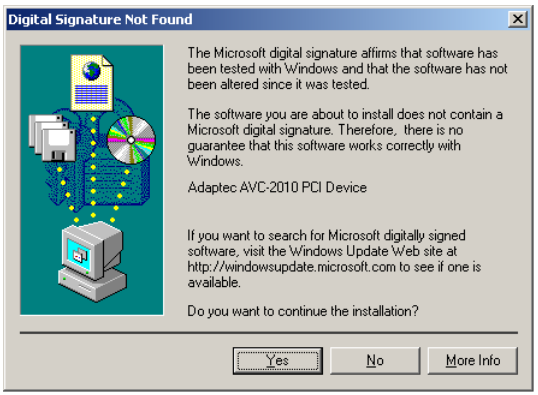
Windows locates a driver file.

4 Click **Next**.


Found New Hardware Wizard
Driver Files Search Results
The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
Multimedia Video Controller
Windows found a driver for this device. To install the driver Windows found, click Next.
f:\avcpwilo.inf
< Back
Next >
Cancel

Note: The drive letter for your CD-ROM may be different than the one shown in the example above.

5 If this window appears, click **Yes**.


Digital Signature Not Found
The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.
The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.
Adaptec AVC-2010 PCI Device
If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.
Do you want to continue the installation?
Yes
No
More Info

Note: Adaptec drivers have been fully tested and certified to work with the AVC-2010 device.

6 Click **Finish** to complete the installation.

Found New Hardware Wizard
Completing the Found New Hardware Wizard
Adaptec AVC-2010 PCI Device
Windows has finished installing the software for this device.
To close this wizard, click Finish.
< Back
Finish
Cancel

Note: To check if the driver is installed properly, follow the instructions provided in *Need Help Installing Your Device Drivers?* on page 24.

See *Installing the Software* on page 17 to continue.

Windows Me

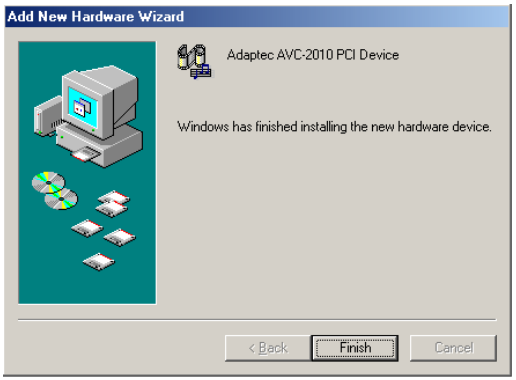
Note: Before installing the driver, make sure the VideOh! CD is in your CD-ROM drive.

Windows Me automatically detects your device and opens the Found New Hardware Wizard. To install the driver:

1 Select **Automatic search...**, then click **Next.**

Add New Hardware Wizard
Windows has found the following new hardware:
PCI Multimedia Video Device
Windows can automatically search for and install software that supports your hardware. If your hardware came with installation media, insert it now and click Next.
What would you like to do?
Automatic search for a better driver (Recommended)
Specify the location of the driver (Advanced)
< Back
Next >
Cancel

2 Click **Finish** to complete the installation.



Note: To check if the driver is installed properly, follow the instructions provided in *Need Help Installing Your Device Drivers?* on page 24.

See *Installing the Software* on page 17 to continue.

Windows 98SE

Windows 98SE automatically detects your device and opens the Found New Hardware Wizard. To perform the installation, follow the instructions provided in this section.

Note: Before installing the driver, make sure the VideOh! CD is in your CD-ROM drive.

Note: You may need your Windows 98SE CD to complete this installation procedure.

To install the drivers:

1 In the Add New Hardware Wizard, click **Next**.

Add New Hardware Wizard
This wizard searches for new drivers for:
PCI Multimedia Video Device
A device driver is a software program that makes a hardware device work.
< Back
Next >
Cancel

2 Select **Search for best driver...**, then click **Next**.

Add New Hardware Wizard
What do you want Windows to do?
Search for the best driver for your device. (Recommended).
Display a list of all the drivers in a specific location, so you can select the driver you want.
< Back
Next >
Cancel

3 Select *only* **CD-ROM drive**, then click **Next**.

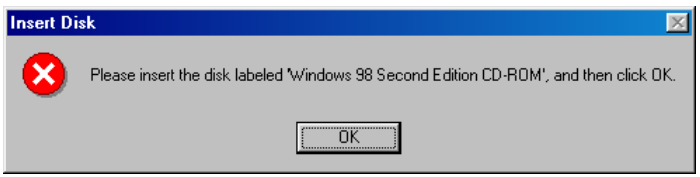
Add New Hardware Wizard
Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
Floppy disk drives
CD-ROM drive
Microsoft Windows Update
Specify a location:
C:\WINDOWS\CATROOT
Browse...
< Back
Next >
Cancel

4 Click **Next**.

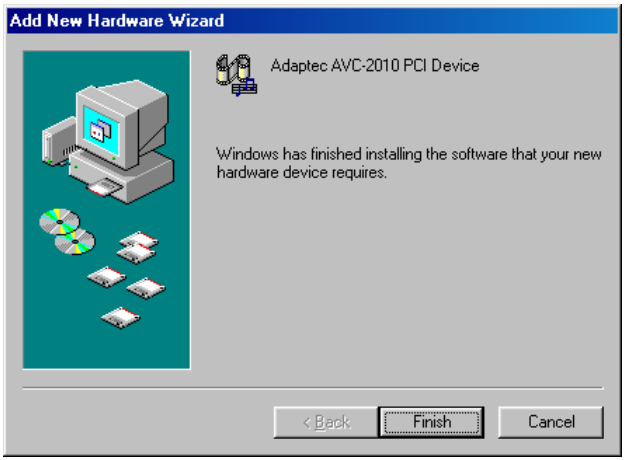
Add New Hardware Wizard
Windows driver file search for the device:
Adaptec AVC-2010 PCI Device
Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.
Location of driver:
F:\AVCPWILO.INF
< Back
Next >
Cancel

Note: The drive letter for your CD-ROM may be different than the one shown in the example above.

5 If required, insert your Windows 98SE CD, then click **OK**.



6 Click **Finish** to complete the installation.


Add New Hardware Wizard
Adaptec AVC-2010 PCI Device
Windows has finished installing the software that your new hardware device requires.
< Back
Finish
Cancel

Note: If the driver file being installed from the VideOh! CD is older than the existing driver file, you may get a version conflict message. Select to keep the newer driver file.

Note: To check if the driver is installed properly, follow the instructions provided in *Need Help Installing Your Device Drivers?* on page 24.

See *Installing the Software* on page 17 to continue.

Installing the Software

Once the drivers are installed, you are ready to install Sonic® MyDVD™ and the ArcSoft® Showbiz™ companion software.

Note: If MyDVD is already installed on your system, uninstall it before installing the newer version.

To complete the software installation:

1 Eject and reinsert the VideOh! CD.

2 On the main VideOh! Installation screen, click **Install Software**, then click **MyDVD**.

3 Follow the on-screen instructions to install MyDVD and ShowBiz.

Note: *Windows 98SE only*—Before it begins the MyDVD and Showbiz installation, your system may automatically install an updated version of Windows Installer, then prompt you to restart your computer. Follow the on-screen instructions to continue the installation.

Sonic MyDVD and ArcSoft Showbiz install on your system.

4 When the installation is complete, restart your computer.

Connecting Your Video Device

Connect your video device to your AVC-2010 using the included A/V cable or the proprietary cable that came with your device. S-Video users can use their S-Video cable and the A/V cables included in the VideOh! kit.

See the Figure on page 3 if you need help locating the ports on your AVC-2010.

Now you're ready to CREATE. See page 18 to create a video project.

Creating A Video Project with MyDVD

These instructions give you the basic steps for capturing your video, trimming it, and then burning it to DVD or CD.

To get more information, refer to the online tutorial included with Sonic MyDVD. Or, at any time while you're using this software, click **?** or **Help**, to display detailed information about any step you want to perform.

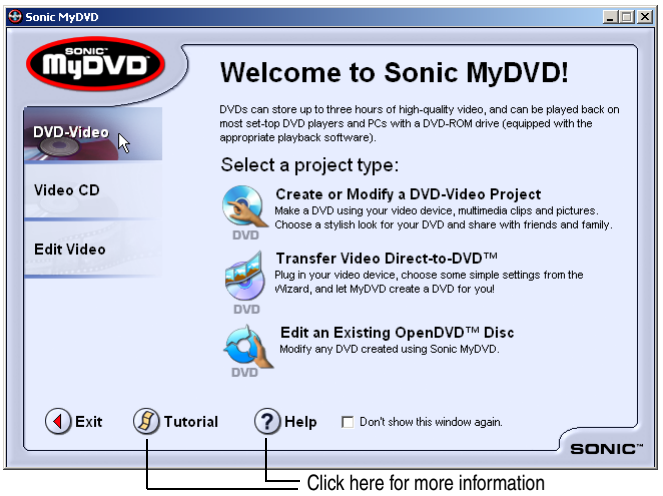
Before you begin creating:

- Make sure your analog video device (such as a camcorder or VCR) is connected to the AVC-2010 and switched on.
- If you have an external DVD/CD recorder, make sure it is connected to your computer and switched on. You need a DVD-Recordable drive and appropriate media to burn DVDs. DVD-ROM, CD-R, and CD-RW drives do not have the capability to burn DVD discs. However, a CD-Recordable drive can burn a Video CD that you can play back on a DVD player.

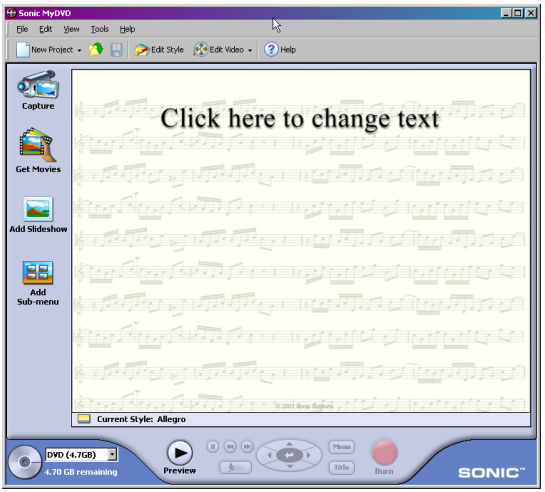
Capturing Your Video

To successfully capture your video, make sure you complete each step in the order given.

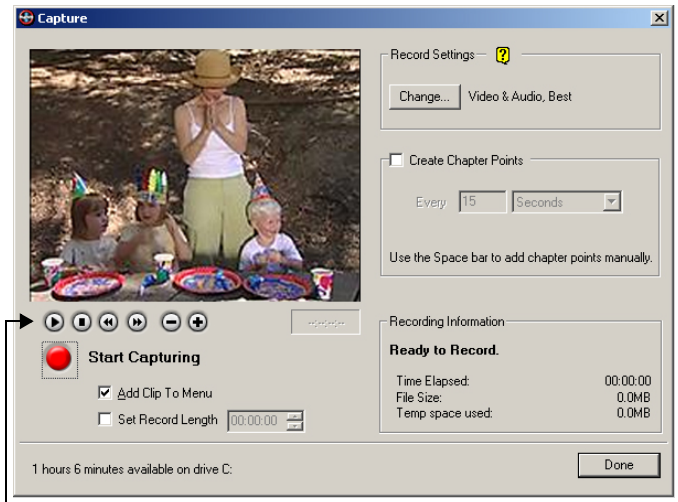
1 Start MyDVD by clicking the **Sonic MyDVD** icon on your desktop. The Welcome window appears.


Sonic MyDVD
Welcome to Sonic MyDVD!
DVDs can store up to three hours of high-quality video, and can be played back on most set-top DVD players and PCs with a DVD-ROM drive (equipped with the appropriate playback software).
DVD-Video
Video CD
Edit Video
Select a project type:
Create or Modify a DVD-Video Project
Make a DVD using your video device, multimedia clips and pictures. Choose a stylish look for your DVD and share with friends and family.
Transfer Video Direct-to-DVD™
Plug in your video device, choose some simple settings from the Wizard, and let MyDVD create a DVD for you!
Edit an Existing OpenDVD™ Disc
Modify any DVD created using Sonic MyDVD.
Exit
Tutorial
Help
Don't show this window again.
SONIC™
Click here for more information

2 Move the mouse pointer over either DVD-Video or Video CD, then click **Create or Modify a ... Project**. The Main project window appears.



3 Click **Capture**. The Capture window appears.



These buttons won't operate your analog video device. Use the Play, Stop, and other control buttons on your device to control your analog video tape.

4 Press the **Play** button on your analog video device. The video image appears in the Capture window, as shown in Step 3.

5 To begin transferring your video to your computer, click **Start Capturing**.

MyDVD captures your video, including the audio.

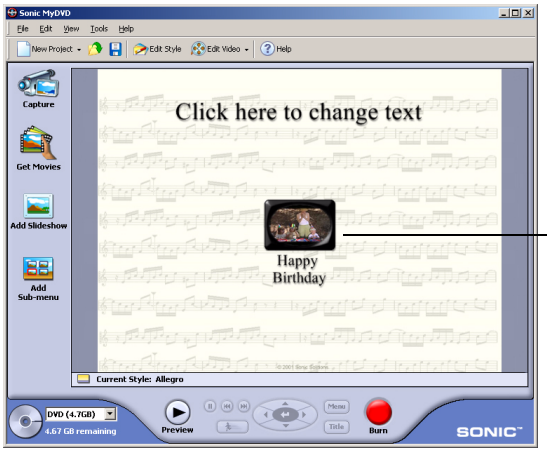
Note: If you get any error messages at this point in your video capturing, stop your analog video device and see *Need Help Capturing Your Video?* on page 27.

6 When you want to stop transferring your video to your computer, click **Stop Capturing,** then stop or pause your analog video device.

7 On the Save As screen, enter the filename of your video clip and click **Save**. The filename you choose becomes the title of your video clip and is displayed on the Main project window. (You can change the title later if you choose.)

8 Click **Done** when finished.

Your video clip is saved and you will see a thumbnail picture on your Main project window.



The layout shown in the MyDVD Main project window is what your DVD menu will look like on your TV.

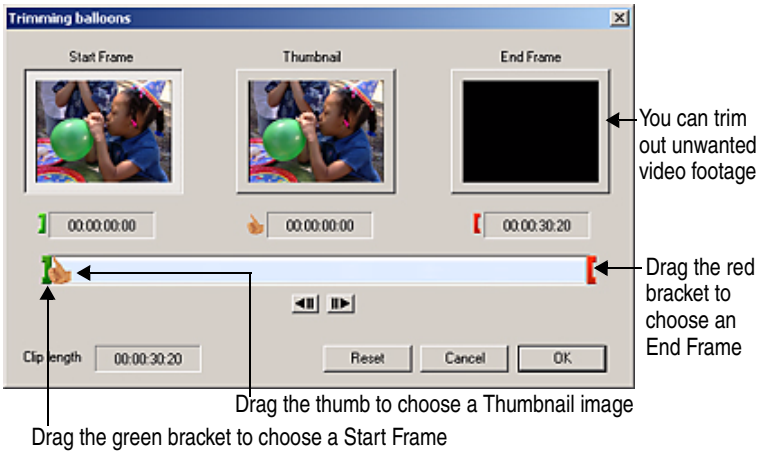
Note: If you plan to do multiple video captures in the same session, save your project, then close and relaunch MyDVD after six captures.

Trimming Your Video

Now that you've captured some video footage, you can trim it. For example, you can change your Start and End points. You can also choose the specific video frame that you want to use as the thumbnail picture that is displayed in your Main project window.

1 From the Main project window, double-click the thumbnail for the video clip you want to trim.

2 Use the controls in the Trimming window to trim your video.



3 Click **OK** when finished.

Note: For more advanced editing functions, use the ArcSoft Showbiz companion software included with MyDVD. For more information, see *Finding More Information* on page 23.

Previewing Your Project

It's a good idea to see how your DVD/VCD project will look before you burn it to the disc. To preview your project, press **Preview** at the bottom of your Main project window, then double-click the thumbnail clip you want to look at.

When you have previewed your project, press **Stop**.

- If playback appears fuzzy and unclear (for example, the edges of objects, especially objects in motion, are feathered) it is because of a difference between how televisions and computer monitors display video. This effect is not noticeable when you play back the finished DVD or VCD disc on your TV.
- If your computer's processing speed is less than 800 MHz or if you are using a slower video card, your preview video in the MyDVD Capture window may appear choppy. However, the finished DVD or VCD, played back on your TV, will be fine. Updating the drivers for your computer's video and/or audio card may minimize this problem. Check your video or sound card manufacturer's website for driver updates.

Burning Your DVD or VCD

When you are satisfied with how your DVD or VCD project looks, you are ready to burn it onto a recordable DVD or CD.

1. Insert a recordable DVD or CD into your computer's DVD or CD recorder.
2. On the Main project window, click **Burn**.
3. Follow the on-screen instructions.

   You will be notified when your DVD or VCD is successfully completed. On average, a 30 minute DVD or VCD can take from 1 to 2 hours to burn (depending on the speed of your computer and DVD/CD burner).

Sharing Your DVD or VCD

Now that you've captured your video and burned it to a DVD or CD, you're ready to share it. You can play your newly created DVD on most compatible DVD players. You can play your newly created VCD on most compatible DVD players or CD-ROM drives.

You can play your DVDs the way you play any standard DVD, using the controls on your DVD player or remote control.

To play a VCD, you need to select the video clip you want to view by using the number pad on the video player remote control. If you have more than 6 video clips, you can navigate between menu screens by using the skip forward and back controls.

Finding More Information

To learn more about how to use Sonic MyDVD and ArcSoft ShowBiz:

- In the MyDVD Welcome window, click the **Help** button or **Tutorial** button.

  In the Main project window, click the **Help** menu and select **MyDVD Help** or **Tutorial**.

- In Showbiz, click **?** on the ShowBiz main screen to open the online Help and Learn the Basics tutorial. Right-click on any screen item to open context-sensitive Help.

Registering Your AVC-2010

To ensure your eligibility for support and upgrades, and to qualify for future promotions, please register your AVC-2010 on the Adaptec website at register.adaptec.com.

Need Help with Your AVC-2010?

- Ensure that your analog video device is connected and powered on.
- Double-check all cable connections.
- Ensure that the AVC-2010 is properly connected and that the drivers are correctly installed. See *Need Help Installing Your Device Drivers?* on page 24 for more information.

Need Help Installing Your Device Drivers?

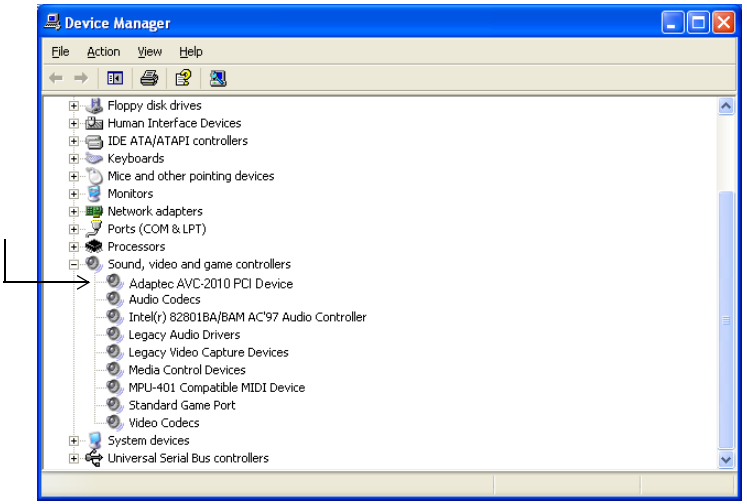
To ensure that the driver for your operating system has installed properly, you may want to double-check your driver installation.

For Windows XP

1 On the bottom left of your desktop, click the **Start** button, and double-click **Control Panel**. Click **Performance and Maintenance**, then double-click **System**. The System Properties window opens. Click the **Hardware** tab.

2 Open **Device Manager**.

3 Click **Sound, video and game controllers**, and check that Adaptec AVC-2010 PCI Device appears, as shown in the figure below.



Note: The screen you see on your computer may be different than the one shown in the example above.

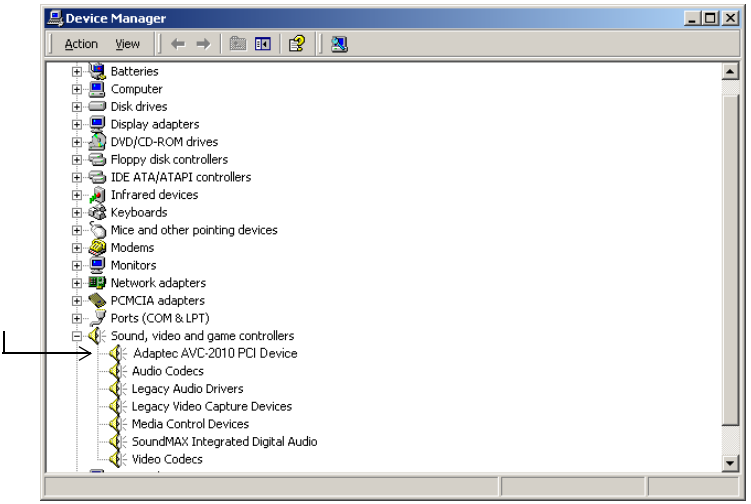
If the AVC-2010 doesn't appear, refer to *Need Help with Your AVC-2010?* on page 23.

For Windows 2000

1 On the bottom left of your desktop, click the **Start** button, select **Settings** and click **Control Panel**, then double-click **System**. The System Properties window opens. Click the **Hardware** tab.

2 Open **Device Manager**.

3 Click **Sound, video and game controllers**, and check that Adaptec AVC-2010 PCI Device appears, as shown in the figure below.



Note: The screen you see on your computer may be different than the one shown in the example above.

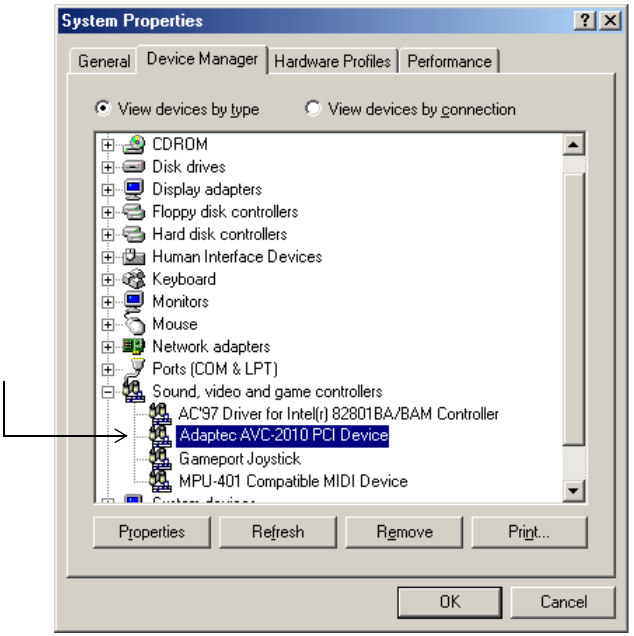
If the AVC-2010 doesn't appear, refer to *Need Help with Your AVC-2010?* on page 23.

For Windows Me and 98SE

1 On the bottom left of your desktop, click the **Start** button, select **Settings** and click **Control Panel**, then double-click **System**. The System Properties window opens.

2 Open **Device Manager**, and select **View devices by type**.

3 Click **Sound, video and game controllers**, and check that Adaptec AVC-2010 PCI Device appears, as shown in the figure below.



If the AVC-2010 doesn't appear, refer to *Need Help with Your AVC-2010?* on page 23.

Need Help Capturing Your Video?

- If your analog video device, such as a VCR or camcorder, is not powered on, after about 1 minute, you will get an error message.

  To allow MyDVD to recognize and capture the video:

  a Click **OK** to close the error message.

  b Click **Done** to close the Capture window.

  c Press the **Power on** button on your video device.

  d Click **Capture**.

  e Click **Start Capturing**.

- For optimum quality when creating DVDs, use the Best setting (in the MyDVD Capture window) when capturing video clips. However, if you have limited disk space, Adaptec recommends that you choose the Better or Good capture setting. Use this table to estimate the amount of disk space required:

  Sonic MyDVD Disk Space Usage

		Disk space required for	
Quality / Resolution	**Capture Setting**	**1 minute of analog video**	**10 minutes of analog video**
DVD (MPEG-II)	Good	32 MB	320 MB
	Better	39 MB	390 MB
	Best	46 MB	460 MB
VCD (MPEG-I)	Good	10 MB	100 MB

Note: Due to Windows' FAT file system, the largest file you can capture is 4 GB. If possible, use a NTFS formatted hard disk drive.

- MyDVD may not be able to recognize video from a damaged or degraded video tape.

- If there are gaps in your analog video tape, MyDVD stops capturing. To continue, start capturing a new clip after the gap. Gaps in video footage are often caused by stops, pauses, static, or unrecorded space in the original recording. They can also be caused by old, damaged, or deteriorated video tapes.
- Set your computer monitor's screen resolution to 1024 x 768 or higher for optimum viewing.
- If you are playing your video and it is not appearing on the MyDVD Capture window, make sure MyDVD is capturing from the correct device.

  To check your device, go to the Capture window (shown in Step 3 on page 19)and under Record Settings, click **Change**. Make sure **Adaptec PCI Capture Device** is selected.
- To avoid choppy video in a captured file, especially a long video clip, disable any scanning background programs such as virus software or any CPU-loaded software.

Technical Specifications

Video Input	Composite (RCA) S-Video (4-pin DIN)
Audio Input	Stereo Audio (Left/Right RCA)
Video Capture Format	MPEG-1 and MPEG-2
Bit Rate	VCD and variable within DVD specifications
Video Standards	NTSC format at 29.97 fps: Full D1: 720 x 480, MPEG1: 352 x 240 PAL format at 25 fps: Full D1: 720 x 576, MPEG1: 352 x 288
PC Interface	PCI
Regulatory Certifications	FCC Class B, CE Class B (See page vii for more information.)

Adaptec, Inc.
691 South Milpitas Boulevard
Milpitas, CA 95035 USA

©2003 Adaptec, Inc.
All rights reserved. Adaptec and the Adaptec logo are trademarks of Adaptec, Inc. which may be registered in some jurisdictions.

Part Number: 513614-06, Ver. AA, LB 04/03